

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A bearing manufacturing method for a compressor comprising the steps of:

molding an exterior of a bearing by using an aluminum (Al) material;

forming an oxide-coated layer on the surface of the bearing member by an electrolyte solution selected from the group consisting of sulfuric acid (H₂SO₄) and oxalic acid, wherein said electrolyte solution is set as a cathode, and a material to be coated is set as an anode, to which electric current is provided to generate an oxide-coated layer on the surface of the material after the exterior of the bearing is completed; and

electrolizing the bearing in ~~thiomolybdenic acid ammonium solution~~ ammonium thiomolybdate and infiltrating a molybedene emulsion into the oxide-coated layer of the bearing.

2. (Canceled).

3. (Currently Amended) The method of claim 1, wherein, in the third step, the bearing with the oxide-coated film formed is electrolized in 0.01~0.1 wt% pure ~~thiomolybdenic~~ ammonium thiomolybdate aqueous solution and hydrogen ion discharged from a barrier layer of the oxide-coated layer and molybdenesulfide ion dissociated from the ~~thiomolybdenic acid~~ ammonium thiomolybdate aqueous solution are interacted in each fine pores, so that molybedene emulsion can be deposited in the pores.

4. (Original) The method of claim 1, wherein, in the third step, the oxide-coated film has the thickness of 0.01~0.03mm.

5. (Original) The method of claim 1, further comprising a step of abrading a bearing contact face to improve the illumination of the surface of the bearing after infiltrating the molybedene emulsion.